

No-Till Corn Weed Control Studies

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Trial Status: F one-year/final Initiation Date: 4-26-13 Completion Date: 11-8-13	Trial Location City: Belleville Country: USA State/Prov.: Illinois IL Postal Code: 62221
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Objectives:
Demonstrate the performance of DuPont crop protection products in corn.

Study Director: Bryan Young Organization: Southern Illinois University Address: 1205 Lincoln Drive - AG 176 - MC 4415 City+State/Prov: Carbondale IL Postal Code: 62901 Country: USA	Title: Professor Phone No.: 618-453-7679 Mobile No.: 618-713-6471 E-mail: bgyoung@siu.edu
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Crop 1: ZEAMD Zea mays indentata Dent corn Variety: P1221 AMX BBCH Scale: BCOR Description: LL/RR2 Planting Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN Row Spacing, Unit: 30 IN	Crop Description Planting Date: 6-15-13 Planting Method: SEEDED
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Pest 1 Type: W Code: HORPU Hordeum pusillum Nutt. Common Name: barley, little	Pest Description
Pest 2 Type: W Code: ALLVI Allium vineale L. Common Name: garlic, wild	
Pest 3 Type: W Code: RANAB Ranunculus abortivus L. Common Name: buttercup, smallflower	
Pest 4 Type: W Code: STEME Stellaria media (L.) Vill. Common Name: chickweed, common	
Pest 5 Type: W Code: SENGL Senecio glabellus Poir. Common Name: groundsel, cressleaf	
Pest 6 Type: W Code: GGGAN Common Name: grasses, annual Description: Mixture of SETFA 50% and PANDI 50%	
Pest 7 Type: W Code: CYPES Cyperus esculentus L. Common Name: nutsedge, yellow	
Pest 8 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common	
Pest 9 Type: W Code: ABUTH Abutilon theophrasti Medik. Common Name: velvetleaf	
Pest10 Type: W Code: AMBTR Ambrosia trifida L. Common Name: ragweed, giant	
Pest11 Type: W Code: IPOSS Common Name: morningglory, species Description: Mixture of IPOHE and IPOLA	

Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 31 FT Total Plot Length: 31 FT	Site and Design Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: NOTILL no-till Study Design: RACOB L Randomized Complete Block (RCB)						
Replications: 3 Untreated Arrangement: INCLUDED single control randomized in each block							
<table><tr><th>No.</th><th>Previous Crop</th><th>Year</th></tr><tr><td>1.</td><td>GLXMA</td><td>2012</td></tr></table>	No.	Previous Crop	Year	1.	GLXMA	2012	
No.	Previous Crop	Year					
1.	GLXMA	2012					

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Maintenance

No.	Maintenance Product Name
1.	N 150 LB/A, P2O5 50 LB/A, K2O 200 LB/A

Soil Description

% OM: 3 Texture: SIL silt loam
pH: 6.5 Soil Name: Bethalto
CEC: 11

Additional Measured Elements

Element	Quantity	Unit
P1	41	lb/A
K	234	lb/A

Moisture and Weather Conditions

Overall Moisture Conditions: ABONOR
Closest Weather Station: ICN - Belleville IL

Distance, Unit: 0.5 MI

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No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	3-31-13					7	DAY	27	71	F
2.	4-7-13					7	DAY	34	82	F
3.	4-10-13	1.4	IN	RAIN	rain	2	DAY			
4.	4-14-13					7	DAY	31	82	F
5.	4-16-13	1.05	IN	RAIN	rain	2	DAY			
6.	4-18-13	5.2	IN	RAIN	rain	1	DAY			
7.	4-21-13					7	DAY	35	72	F
8.	4-23-13	1.35	IN	RAIN	rain	2	DAY			
9.	4-27-13	0.3	IN	RAIN	rain	2	DAY			
10.	4-28-13					7	DAY	41	83	F
11.	5-3-13	3.07	IN	RAIN	rain	4	DAY			
12.	5-5-13					7	DAY	46	80	F
13.	5-9-13	0.35	IN	RAIN	rain	2	DAY			
14.	5-12-13					7	DAY	39	92	F
15.	5-16-13	0.55	IN	RAIN	rain	2	DAY			
16.	5-19-13					7	DAY	45	88	F
17.	5-20-13	0.67	IN	RAIN	rain	2	DAY			
18.	5-26-13					7	DAY	56	86	F
19.	5-27-13	1.23	IN	RAIN	rain	2	DAY			
20.	5-30-13	0.51	IN	RAIN	rain	3	DAY			
21.	5-31-13	3.46	IN	RAIN	rain	2	DAY			
22.	6-2-13					7	DAY	50	80	F
23.	6-9-13					7	DAY	59	94	F
24.	6-10-13	0.48	IN	RAIN	rain	2	DAY			
25.	6-16-13					7	DAY	61	90	F
26.	6-17-13	2.16	IN	RAIN	rain	3	DAY			
27.	6-23-13	5.33	IN	RAIN	rain	2	DAY			
28.	6-23-13					7	DAY	64	92	F
29.	6-26-13	0.46	IN	RAIN	rain	1	DAY			
30.	6-29-13	0.19	IN	RAIN	rain	2	DAY			
31.	6-30-13					7	DAY	61	86	F
32.	7-2-13	2.08	IN	RAIN	rain	2	DAY			
33.	7-7-13					7	DAY	62	94	F
34.	7-10-13	0.2	IN	RAIN	rain	1	DAY			
35.	7-14-13					7	DAY	64	94	F
36.	7-15-13	0.03	IN	RAIN	rain	1	DAY			
37.	7-20-13	0.59	IN	RAIN	rain	1	DAY			
38.	7-21-13					7	DAY	56	91	F
39.	7-26-13	0.03	IN	RAIN	rain	1	DAY			
40.	7-28-13					7	DAY	52	87	F
41.	7-30-13	0.46	IN	RAIN	rain	1	DAY			
42.	8-2-13	0.24	IN	RAIN	rain	1	DAY			
43.	8-4-13					7	DAY	62	87	F
44.	8-8-13	0.03	IN	RAIN	rain	3	DAY			
45.	8-11-13					7	DAY	54	85	F
46.	8-12-13	0.57	IN	RAIN	rain	1	DAY			
47.	8-18-13	0.1	IN	RAIN	rain	1	DAY			
48.	8-18-13					7	DAY	61	91	F
49.	8-25-13					7	DAY	62	100	F
50.	8-31-13	0.74	IN	RAIN	rain	1	DAY			
51.	9-1-13					7	DAY	57	92	F
52.	9-8-13	0.26	IN	RAIN	rain	1	DAY			

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Application Description

	A	B	C	D
Application Date:	4-26-13	6-15-13	6-28-13	7-5-13
Appl. Start Time:	8:00	7:00	7:00	13:30
Appl. Stop Time:	8:30	7:30	7:30	13:50
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	EPP14	PRE	EPOST	POST
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	RFK	NTH	KNW	LXF
Air Temperature, Unit:	52 F	70 F	79 F	77 F
% Relative Humidity:	62	51	77	76
Wind Velocity, Unit:	3 MPH	2 MPH	3 MPH	3 MPH
Wind Direction:	S	E	W	W
Dew Presence (Y/N):	N	Y	N	N
Soil Temperature, Unit:	52 F	74 F	78 F	74 F
Soil Moisture:	ABONOR	NORMAL	ABONOR	ABONOR
% Cloud Cover:	100	100	10	40
Next Moisture Occurred On:	4-27-13	6-15-13	6-29-13	7-10-13
Time to Next Moisture, Unit:	19 HR	13 HR	32 HR	5 DAY

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code, BBCH Scale:	ZEAMD	ZEAMD	ZEAMD	ZEAMD
Stage Scale Used:	DESC	DESC	DESC	DESC
Stage Majority, Percent:	NA	NA	V2	V5
Stage Minimum, Percent:			V2	V4
Stage Maximum, Percent:			V2	V5
Height, Unit:			6 IN	11 IN
Height Minimum, Maximum:			6 8	9 11

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Type, Scale:	HORPU W	HORPU W	HORPU W	HORPU W
Stage Majority, Percent:	6	NA	NA	NA
Stage Minimum, Percent:	5			
Stage Maximum, Percent:	6			
Height, Unit:	8 IN			
Height Minimum, Maximum:	8 10			
Density, Unit:	2 FT2			
Pest 2 Code, Type, Scale:	ALLVI W	ALLVI W	ALLVI W	ALLVI W
Stage Majority, Percent:	4	NA	NA	NA
Stage Minimum, Percent:	3			
Stage Maximum, Percent:	4			
Height, Unit:	24 IN			
Height Minimum, Maximum:	22 26			
Density, Unit:	0.1 FT2			
Pest 3 Code, Type, Scale:	RANAB W	RANAB W	RANAB W	RANAB W
Stage Majority, Percent:	10+	NA	NA	NA
Stage Minimum, Percent:	10			
Stage Maximum, Percent:	10+			
Height, Unit:	12 IN			
Height Minimum, Maximum:	10 12			
Density, Unit:	2 FT2			
Pest 4 Code, Type, Scale:	STEME W	STEME W	STEME W	STEME W
Stage Majority, Percent:	10+	NA	NA	NA
Stage Minimum, Percent:	10			
Stage Maximum, Percent:	10+			
Height, Unit:	5 IN			
Height Minimum, Maximum:	4 6			
Density, Unit:	2 FT2			

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Pest 5 Code, Type, Scale:	SENGL W	SENGL W	SENGL W	SENGL W
Stage Majority, Percent:	10+	NA	NA	NA
Stage Minimum, Percent:	10			
Stage Maximum, Percent:	10+			
Height, Unit:	18 IN			
Height Minimum, Maximum:	10 20			
Density, Unit:	0.1 FT2			
Pest 6 Code, Type, Scale:	GGGAN W	GGGAN W	GGGAN W	GGGAN W
Stage Majority, Percent:	NA	NA	3	4
Stage Minimum, Percent:			1	2
Stage Maximum, Percent:			4	5
Height, Unit:			3 IN	4 IN
Height Minimum, Maximum:			1 3	2 4
Density, Unit:			0.1 FT2	0.01 FT2
Pest 7 Code, Type, Scale:	CYPES W	CYPES W	CYPES W	CYPES W
Stage Majority, Percent:	NA	3	6	12
Stage Minimum, Percent:		2	4	4
Stage Maximum, Percent:		3	8	20
Height, Unit:		4 IN	6 IN	6 IN
Height Minimum, Maximum:		1 6	4 6	4 10
Density, Unit:		1 FT2	1 FT2	0.5 FT2
Pest 8 Code, Type, Scale:	AMATA W	AMATA W	AMATA W	AMATA W
Stage Majority, Percent:	NA	NA	6	20
Stage Minimum, Percent:			4	4
Stage Maximum, Percent:			6	40
Height, Unit:			4 IN	6 IN
Height Minimum, Maximum:			2 4	1 12
Density, Unit:			0.01 FT2	0.01 FT2
Pest 9 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:	NA	NA	4	4
Stage Minimum, Percent:			2	2
Stage Maximum, Percent:			4	6
Height, Unit:			3 IN	1.5 IN
Height Minimum, Maximum:			2 4	1 2
Density, Unit:			0.01 FT2	0.01 FT2
Pest10 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	6	6	8
Stage Minimum, Percent:		2	4	4
Stage Maximum, Percent:		6	6	10
Height, Unit:		6 IN	3 IN	6 IN
Height Minimum, Maximum:		2 8	2 4	2 8
Density, Unit:		0.1 FT2	0.1 FT2	0.05 FT2
Pest11 Code, Type, Scale:	IPOSS W	IPOSS W	IPOSS W	IPOSS W
Stage Majority, Percent:	NA	NA	4	5
Stage Minimum, Percent:			2	2
Stage Maximum, Percent:			4	5
Height, Unit:			2 IN	3 IN
Height Minimum, Maximum:			1 2	1 3
Density, Unit:			0.01 FT2	0.01 FT2

Application Equipment

	A	B	C	D
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Equipment Type:	BACSPR	BACSPR	BACSPR	BACSPR
Operation Pressure, Unit:	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	XR	XR	XR	XR
Nozzle Size:	8002	8002	8002	8002
Boom Length, Unit:	10 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	ZEAMD 11-8-13 Yield bu/A	HORPU 5-17-13 Control Percent	ALLVI 5-17-13 Control Percent	RANAB 5-17-13 Control Percent	STEME 5-17-13 Control Percent	SENGL 5-17-13 Control Percent
								21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ	3.8 EC 3 SL 45.84 WG 5.5 SC		0.475 lb ae/a 0.75 lb ae/a 0.2 lb ai/a 3.44 lb ai/a		1 pt/a 1 qt/a 7 oz/a 2.5 qt/a		EPP14 A EPP14 A PRE B PRE B	A	24 a	99 a	95 a
										99 a	99 a	99 a
2	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE AATREX 4L REALM Q AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45.84 WG 4 SC 38.75 WG 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 1 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a		1 pt/a 1 qt/a 6 oz/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a		EPP14 A EPP14 A PRE B PRE B POST D POST D POST D	A	29 a	99 a	95 a
										99 a	99 a	99 a
3	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45.84 WG 5.5 SC 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a		1 pt/a 1 qt/a 6 oz/a 1.5 qt/a 1 qt/a 1 qt/a		EPP14 A EPP14 A PRE B PRE B POST D POST D	A	20 a	99 a	95 a
										99 a	99 a	99 a
4	2,4-D LV 4 ABUNDIT EXTRA PREQUEL REALM Q AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45 WG 38.75 WG 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a		1 pt/a 1 qt/a 1.66 oz/a 4 oz/a 1 qt/a 1 qt/a		EPP14 A EPP14 A PRE B POST D POST D POST D	A	54 a	99 a	95 a
										99 a	99 a	99 a
5	2,4-D LV 4 ABUNDIT EXTRA PREQUEL CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45 WG 5.5 SC 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a		1 pt/a 1 qt/a 1.66 oz/a 1.5 qt/a 1 qt/a 1 qt/a		EPP14 A EPP14 A PRE B PRE B POST D POST D	A	61 a	99 a	95 a
										99 a	99 a	99 a
6	2,4-D LV 4 ABUNDIT EXTRA TRIPLEFLEX REALM Q AATREX 4L	3.8 EC 3 SL 4.25 EC 38.75 WG 4 SC		0.475 lb ae/a 0.75 lb ae/a 1.06 lb ai/a 0.097 lb ai/a 1 lb ai/a		1 pt/a 1 qt/a 2 pt/a 4 oz/a 1 qt/a		EPP14 A EPP14 A EPOST C EPOST C EPOST C	A	48 a	99 a	95 a
										99 a	99 a	99 a
7	CINCH ATZ 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	5.5 SC 3.8 EC 3 SL 38.75 WG 4 SC 3 SL		1.38 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a		1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a		EPP14 A EPP14 A EPP14 A POST D POST D POST D	A	27 a	99 a	95 a
										99 a	99 a	99 a
8	PRINCEP CALIBER 90 AATREX 4L 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	90 WG 4 SC 3.8 EC 3 SL 38.75 WG 4 SC 3 SL		1 lb ai/a 1 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a		1.11 lb/a 1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a		EPP14 A EPP14 A EPP14 A EPP14 A POST D POST D POST D	A	22 a	99 a	95 a
										99 a	99 a	99 a
9	2,4-D LV 4 ABUNDIT EXTRA REALM Q CINCH ATZ ABUNDIT EXTRA	3.8 EC 3 SL 38.75 WG 5.5 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.38 lb ai/a 0.75 lb ae/a		1 pt/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a		EPP14 A EPP14 A EPOST C EPOST C EPOST C	A	22 a	99 a	95 a
										99 a	99 a	99 a

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=6,16,24,23,31,38,45,52

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Pest Code											ZEAMD	HORPU	ALLVI	RANAB	STEME	SENGL
Crop Code											11-8-13	5-17-13	5-17-13	5-17-13	5-17-13	5-17-13
Rating Date											Yield	Control	Control	Control	Control	Control
Rating Type											bu/A	Percent	Percent	Percent	Percent	Percent
Rating Unit																
Rating Timing																
Trt-Eval Interval												21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Unit	Growth Stage	Appl Code						
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a		EPP14	A	23 a	99 a	95 a	99 a	99 a	99 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a		EPP14	A						
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a		EPOST	C						
	AATREX 4L	4	SC	1	lb ai/a	1	qt/a		EPOST	C						
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a		EPOST	C						
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a		EPP14	A	9 a	99 a	95 a	99 a	99 a	99 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a		EPP14	A						
	BURNDOWN ONLY															
LSD (P=.05)											43.4	0.0	0.0	0.0	0.0	0.0
Standard Deviation											24.1	0.0	0.0	0.0	0.0	0.0
CV											78.43	0.0	0.0	0.0	0.0	0.0
Replicate F											1.440	0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)											0.2782	1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F											1.341	0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)											0.3178	1.0000	1.0000	1.0000	1.0000	1.0000

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	ZEAMD 6-28-13 Injury Percent	ZEAMD 7-5-13 Injury Percent	ZEAMD 7-12-13 Injury Percent	ZEAMD 7-26-13 Injury Percent	ZEAMD 8-2-13 Injury Percent	ZEAMD 8-23-13 Injury Percent	ZEAMD 8-30-13 Injury Percent
							0 DA-C	0 DA-D	7 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ	3.8 EC 3 SL 45.84 WG 5.5 SC		0.475 lb ae/a 0.75 lb ae/a 0.2 lb ai/a 3.44 lb ai/a	ae/a ae/a ai/a ai/a	1 pt/a 1 qt/a 7 oz/a 2.5 qt/a		EPP14 A EPP14 A PRE B PRE B	A A B B	0 a	0 c	5 ab	0 a
2	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE AATREX 4L REALM Q AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45.84 WG 4 SC 38.75 WG 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 1 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a	ae/a ae/a ai/a ai/a ai/a ai/a ae/a	1 pt/a 1 qt/a 6 oz/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a		EPP14 A EPP14 A PRE B PRE B POST D POST D POST D	A A B B D D D	0 a	0 c	8 a	10 a
3	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45.84 WG 5.5 SC 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a	ae/a ae/a ai/a ai/a ai/a ae/a	1 pt/a 1 qt/a 6 oz/a 1.5 qt/a 1 qt/a 1 qt/a		EPP14 A EPP14 A PRE B PRE B POST D POST D	A A B B D D	0 a	0 c	7 a	0 a
4	2,4-D LV 4 ABUNDIT EXTRA PREQUEL REALM Q AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45 WG 38.75 WG 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a	ae/a ae/a ai/a ai/a ai/a ae/a	1 pt/a 1 qt/a 1.66 oz/a 4 oz/a 1 qt/a 1 qt/a		EPP14 A EPP14 A PRE B POST D POST D POST D	A A B D D D	0 a	0 c	3 ab	0 a
5	2,4-D LV 4 ABUNDIT EXTRA PREQUEL CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45 WG 5.5 SC 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a	ae/a ae/a ai/a ai/a ai/a ae/a	1 pt/a 1 qt/a 1.66 oz/a 1.5 qt/a 1 qt/a 1 qt/a		EPP14 A EPP14 A PRE B PRE B POST D POST D	A A B B D D	0 a	0 c	8 a	9 a
6	2,4-D LV 4 ABUNDIT EXTRA TRIPLEFLEX REALM Q AATREX 4L	3.8 EC 3 SL 4.25 EC 38.75 WG 4 SC		0.475 lb ae/a 0.75 lb ae/a 1.06 lb ai/a 0.097 lb ai/a 1 lb ai/a	ae/a ae/a ai/a ai/a ai/a	1 pt/a 1 qt/a 2 pt/a 4 oz/a 1 qt/a		EPP14 A EPP14 A EPOST C EPOST C EPOST C	A A C C C	0 a	4 a	0 b	0 a
7	CINCH ATZ 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	5.5 SC 3.8 EC 3 SL 38.75 WG 4 SC 3 SL		1.38 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a	ai/a ae/a ae/a ai/a ai/a ae/a	1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a		EPP14 A EPP14 A EPP14 A POST D POST D POST D	A A A D D D	0 a	0 c	7 a	12 a
8	PRINCEP CALIBER 90 AATREX 4L 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	90 WG 4 SC 3.8 EC 3 SL 38.75 WG 4 SC 3 SL		1 lb ai/a 1 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a	ai/a ai/a ae/a ae/a ai/a ai/a ae/a	1.11 lb/a 1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a		EPP14 A EPP14 A EPP14 A EPP14 A POST D POST D POST D	A A A A D D D	0 a	0 c	0 b	8 a
9	2,4-D LV 4 ABUNDIT EXTRA REALM Q CINCH ATZ ABUNDIT EXTRA	3.8 EC 3 SL 38.75 WG 5.5 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.38 lb ai/a 0.75 lb ae/a	ae/a ae/a ai/a ai/a ae/a	1 pt/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a		EPP14 A EPP14 A EPOST C EPOST C EPOST C	A A C C C	0 a	0 c	0 b	0 a

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

[illegible]

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	GGGAN	GGGAN	GGGAN	GGGAN	GGGAN	GGGAN
							6-28-13 Control Percent	7-5-13 Control Percent	7-26-13 Control Percent	8-2-13 Control Percent	8-23-13 Control Percent	8-30-13 Control Percent
							0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ	3.8 3 45.84 5.5	EC SL WG SC	0.475 0.75 0.2 3.44	lb ae/a lb ae/a lb ai/a lb ai/a	1 1 7 2.5	pt/a qt/a oz/a qt/a	EPP14 EPP14 PRE PRE	A A B B	97 a	93 ab	77 b 68 c 55 c 53 c
2	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE AATREX 4L REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 4 38.75 4 3	EC SL WG SC WG SC SL	0.475 0.75 0.172 1 0.097 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 6 1 4 1 1	pt/a qt/a oz/a qt/a oz/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST POST	A A B B D D D	97 a	96 a	97 a 97 a 90 ab 87 ab
3	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 5.5 4 3	EC SL WG SC SC SL	0.475 0.75 0.172 2.06 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 6 1.5 1 1	pt/a qt/a oz/a qt/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST	A A B B D D	95 a	91 abc	96 a 93 ab 80 b 75 b
4	2,4-D LV 4 ABUNDIT EXTRA PREQUEL REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45 38.75 4 3	EC SL WG WG SC SL	0.475 0.75 0.0467 0.097 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 1.66 4 1 1	pt/a qt/a oz/a oz/a qt/a qt/a	EPP14 EPP14 PRE POST POST POST	A A B D D D	96 a	93 a	97 a 97 a 97 a 97 a
5	2,4-D LV 4 ABUNDIT EXTRA PREQUEL CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45 5.5 4 3	EC SL WG SC SC SL	0.475 0.75 0.0467 2.06 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 1.66 1.5 1 1	pt/a qt/a oz/a qt/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST	A A B B D D	94 a	92 ab	96 a 95 ab 92 ab 92 ab
6	2,4-D LV 4 ABUNDIT EXTRA TRIPLEFLEX REALM Q AATREX 4L	3.8 3 4.25 38.75 4	EC SL EC WG SC	0.475 0.75 1.06 0.097 1	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a	1 1 2 4 1	pt/a qt/a pt/a oz/a qt/a	EPP14 EPP14 EPOST EPOST EPOST	A A C C C	0 b	83 bc	94 a 89 b 92 ab 90 ab
7	CINCH ATZ 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	5.5 3.8 3 38.75 4 3	SC EC SL WG SC SL	1.38 0.475 0.75 0.097 1.5 0.75	lb ai/a lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1 1 1 4 1.5 1	qt/a pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPP14 POST POST POST	A A A D D D	94 a	82 c	97 a 97 a 96 a 95 a
8	PRINCEP CALIBER 90 AATREX 4L 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	90 4 3.8 3 38.75 4 3	WG SC EC SL WG SC SL	1 1 0.475 0.75 0.097 1.5 0.75	lb ai/a lb ai/a lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1.11 1 1 1 4 1.5 1	lb/a qt/a pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPP14 EPP14 POST POST POST	A A A A D D D	95 a	92 ab	97 a 96 a 96 a 93 ab
9	2,4-D LV 4 ABUNDIT EXTRA REALM Q CINCH ATZ ABUNDIT EXTRA	3.8 3 38.75 5.5 3	EC SL WG SC SL	0.475 0.75 0.097 1.38 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1 1 4 1 1	pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPOST EPOST EPOST	A A C C C	0 b	96 a	96 a 95 ab 93 ab 89 ab

DuPont Crop Protection Demonstration in Corn.

Pest Code									GGGAN	GGGAN	GGGAN	GGGAN	GGGAN	GGGAN	
Crop Code									6-28-13	7-5-13	7-26-13	8-2-13	8-23-13	8-30-13	
Rating Date									Control	Control	Control	Control	Control	Control	
Rating Type									Percent	Percent	Percent	Percent	Percent	Percent	
Rating Unit															
Rating Timing															
Trt-Eval Interval									0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D	
Trt Treatment	Form	Form	Rate	Other	Other	Growth	Appl								
No. Name	Conc	Type	Unit	Rate	Rate	Stage	Code								
10 2,4-D LV 4	3.8 EC		0.475 lb ae/a	1 pt/a		EPP14 A		0 b	93 a		97 a	96 a	93 ab	90 ab	
ABUNDIT EXTRA	3 SL		0.75 lb ae/a	1 qt/a		EPP14 A									
CAPRENO	3.45 SC		0.081 lb ai/a	3 fl oz/a		EPOST C									
AATREX 4L	4 SC		1 lb ai/a	1 qt/a		EPOST C									
ABUNDIT EXTRA	3 SL		0.75 lb ae/a	1 qt/a		EPOST C									
11 2,4-D LV 4	3.8 EC		0.475 lb ae/a	1 pt/a		EPP14 A		0 b	0 d		0 c	0 d	0 d	0 d	
ABUNDIT EXTRA	3 SL		0.75 lb ae/a	1 qt/a		EPP14 A									
BURNDOWN ONLY															
LSD (P=.05)								4.0	9.9		6.4	6.9	13.5	19.4	
Standard Deviation								2.3	5.8		3.8	4.1	7.9	11.4	
CV								3.87	6.99		4.38	4.82	9.83	14.54	
Replicate F								1.604	1.053		0.663	0.633	2.295	2.793	
Replicate Prob(F)								0.2258	0.3675		0.5264	0.5414	0.1267	0.0851	
Treatment F								1260.255	69.439		180.048	154.795	41.068	19.109	
Treatment Prob(F)								0.0001	0.0001		0.0001	0.0001	0.0001	0.0001	

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DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code	CYPES	CYPES	CYPES	CYPES	CYPES	CYPES
Crop Code	6-28-13	7-5-13	7-26-13	8-2-13	8-23-13	8-30-13
Rating Date	Control	Control	Control	Control	Control	Control
Rating Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit						
Rating Timing						
Trt-Eval Interval	0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Stage	Appl Code
1 2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ	3.8 EC 3 SL 45.84 WG 5.5 SC		0.475 lb ae/a 0.75 lb ae/a 0.2 lb ai/a 3.44 lb ai/a	1 pt/a 1 qt/a 7 oz/a 2.5 qt/a	EPP14 A EPP14 A PRE B PRE B	98 a 97 a 83 bc 87 a-d 85 ab 85 ab
2 2,4-D LV 4 ABUNDIT EXTRA INSTIGATE AATREX 4L REALM Q AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45.84 WG 4 SC 38.75 WG 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 1 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 6 oz/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a	EPP14 A EPP14 A PRE B PRE B POST D POST D POST D	97 a 96 a 91 ab 89 a-d 85 ab 85 ab
3 2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45.84 WG 5.5 SC 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 6 oz/a 1.5 qt/a 1 qt/a 1 qt/a	EPP14 A EPP14 A PRE B PRE B POST D POST D	92 ab 88 ab 82 c 81 cd 67 c 65 c
4 2,4-D LV 4 ABUNDIT EXTRA PREQUEL REALM Q AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45 WG 38.75 WG 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 1.66 oz/a 4 oz/a 1 qt/a 1 qt/a	EPP14 A EPP14 A PRE B POST D POST D POST D	82 bc 77 bc 95 a 94 a 95 a 94 a
5 2,4-D LV 4 ABUNDIT EXTRA PREQUEL CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 EC 3 SL 45 WG 5.5 SC 4 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 1.66 oz/a 1.5 qt/a 1 qt/a 1 qt/a	EPP14 A EPP14 A PRE B PRE B POST D POST D	77 cd 77 bc 94 a 92 ab 91 ab 87 ab
6 2,4-D LV 4 ABUNDIT EXTRA TRIPLEFLEX REALM Q AATREX 4L	3.8 EC 3 SL 4.25 EC 38.75 WG 4 SC		0.475 lb ae/a 0.75 lb ae/a 1.06 lb ai/a 0.097 lb ai/a 1 lb ai/a	1 pt/a 1 qt/a 2 pt/a 4 oz/a 1 qt/a	EPP14 A EPP14 A EPOST C EPOST C EPOST C	0 f 68 cd 83 bc 85 bcd 83 ab 80 b
7 CINCH ATZ 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	5.5 SC 3.8 EC 3 SL 38.75 WG 4 SC 3 SL		1.38 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a	1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a	EPP14 A EPP14 A EPP14 A POST D POST D POST D	70 de 57 d 94 a 93 ab 89 ab 87 ab
8 PRINCEP CALIBER 90 AATREX 4L 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	90 WG 4 SC 3.8 EC 3 SL 38.75 WG 4 SC 3 SL		1 lb ai/a 1 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a	1.11 lb/a 1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a	EPP14 A EPP14 A EPP14 A EPP14 A POST D POST D POST D	63 e 57 d 95 a 94 ab 93 a 90 ab
9 2,4-D LV 4 ABUNDIT EXTRA REALM Q CINCH ATZ ABUNDIT EXTRA	3.8 EC 3 SL 38.75 WG 5.5 SC 3 SL		0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.38 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a	EPP14 A EPP14 A EPOST C EPOST C EPOST C	0 f 72 c 92 a 90 abc 87 ab 85 ab

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval										CYPES	CYPES	CYPES	CYPES	CYPES	CYPES
										6-28-13 Control Percent	7-5-13 Control Percent	7-26-13 Control Percent	8-2-13 Control Percent	8-23-13 Control Percent	8-30-13 Control Percent
										0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	EPP14	A	0 f	67 cd	82 c	80 d	78 bc	77 bc
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPP14	A						
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	EPOST	C						
	AATREX 4L	4	SC	1	lb ai/a	1	qt/a	EPOST	C						
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPOST	C						
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	EPP14	A	0 f	0 e	0 d	0 e	0 d	0 d
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPP14	A						
	BURNDOWN ONLY														
LSD (P=.05)										11.2	12.6	7.9	9.5	13.4	13.9
Standard Deviation										6.6	7.4	4.6	5.6	7.9	8.2
CV										12.47	10.76	5.71	6.92	10.18	10.73
Replicate F										3.616	4.163	2.601	1.463	0.036	0.717
Replicate Prob(F)										0.0457	0.0308	0.0991	0.2554	0.9651	0.5003
Treatment F										128.816	39.072	105.165	71.235	34.723	31.349
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval										AMATA	AMATA	AMATA	AMATA	AMATA	AMATA
										6-28-13 Control Percent	7-5-13 Control Percent	7-26-13 Control Percent	8-2-13 Control Percent	8-23-13 Control Percent	8-30-13 Control Percent
										0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ	3.8 3 45.84 5.5	EC SL WG SC	0.475 0.75 0.2 3.44	lb ae/a lb ae/a lb ai/a lb ai/a	1 1 7 2.5	pt/a qt/a oz/a qt/a	EPP14 EPP14 PRE PRE	A A B B	99 a	99 a	95 b	95 b	89 b	88 b
2	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE AATREX 4L REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 4 38.75 4 3	EC SL WG SC WG SC SL	0.475 0.75 0.172 1 0.097 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 6 1 4 1 1	pt/a qt/a oz/a qt/a oz/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST POST	A A B B D D D	99 a	99 a	99 a	99 a	98 a	97 a
3	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 5.5 4 3	EC SL WG SC SC SL	0.475 0.75 0.172 2.06 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 6 1.5 1 1	pt/a qt/a oz/a qt/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST	A A B B D D	99 a	99 a	99 a	98 a	95 a	93 ab
4	2,4-D LV 4 ABUNDIT EXTRA PREQUEL REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45 38.75 4 3	EC SL WG WG SC SL	0.475 0.75 0.0467 0.097 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 1.66 4 1 1	pt/a qt/a oz/a oz/a qt/a qt/a	EPP14 EPP14 PRE POST POST POST	A A B D D D	70 b	67 c	99 a	99 a	98 a	98 a
5	2,4-D LV 4 ABUNDIT EXTRA PREQUEL CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45 5.5 4 3	EC SL WG SC SC SL	0.475 0.75 0.0467 2.06 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 1.66 1.5 1 1	pt/a qt/a oz/a qt/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST	A A B B D D	87 ab	88 ab	99 a	98 a	98 a	97 a
6	2,4-D LV 4 ABUNDIT EXTRA TRIPLEFLEX REALM Q AATREX 4L	3.8 3 4.25 38.75 4	EC SL EC WG SC	0.475 0.75 1.06 0.097 1	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a	1 1 2 4 1	pt/a qt/a pt/a oz/a qt/a	EPP14 EPP14 EPOST EPOST EPOST	A A C C C	0 c	78 bc	98 ab	97 ab	95 a	95 a
7	CINCH ATZ 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	5.5 3.8 3 38.75 4 3	SC EC SL WG SC SL	1.38 0.475 0.75 0.097 1.5 0.75	lb ai/a lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1 1 1 4 1.5 1	qt/a pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPP14 POST POST POST	A A A D D D	70 b	63 c	97 ab	97 ab	97 a	97 a
8	PRINCEP CALIBER 90 AATREX 4L 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	90 4 3.8 3 38.75 4 3	WG SC EC SL WG SC SL	1 1 0.475 0.75 0.097 1.5 0.75	lb ai/a lb ai/a lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1.11 1 1 1 4 1.5 1	lb/a qt/a pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPP14 EPP14 POST POST POST	A A A A D D D	76 b	68 c	99 a	99 a	96 a	95 a
9	2,4-D LV 4 ABUNDIT EXTRA REALM Q CINCH ATZ ABUNDIT EXTRA	3.8 3 38.75 5.5 3	EC SL WG SC SL	0.475 0.75 0.097 1.38 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1 1 4 1 1	pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPOST EPOST EPOST	A A C C C	0 c	97 ab	99 a	99 a	98 a	98 a

DuPont Crop Protection Demonstration in Corn.

Pest Code	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA
Crop Code	6-28-13	7-5-13	7-26-13	8-2-13	8-23-13	8-30-13
Rating Date	Control	Control	Control	Control	Control	Control
Rating Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit						
Rating Timing						
Trt-Eval Interval	0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt Treatment						
No. Name						
10 2,4-D LV 4	0 c	98 ab	99 a	98 a	98 a	98 a
ABUNDIT EXTRA						
CAPRENO						
AATREX 4L						
ABUNDIT EXTRA						
11 2,4-D LV 4	0 c	0 d	0 c	0 c	0 c	0 c
ABUNDIT EXTRA						
BURNDOWN ONLY						
LSD (P=.05)	18.0	20.0	2.9	2.5	5.6	6.0
Standard Deviation	10.6	11.7	1.7	1.5	3.3	3.5
CV	19.36	15.04	1.91	1.68	3.77	4.03
Replicate F	1.155	0.907	0.840	1.240	1.218	2.491
Replicate Prob(F)	0.3351	0.4197	0.4463	0.3108	0.3168	0.1082
Treatment F	53.317	19.013	903.608	1176.175	234.015	204.964
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
							6-28-13 Control Percent	7-5-13 Control Percent	7-26-13 Control Percent	8-2-13 Control Percent	8-23-13 Control Percent	8-30-13 Control Percent
							0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ	3.8 3 45.84 5.5	EC SL WG SC	0.475 lb ae/a 0.75 lb ae/a 0.2 lb ai/a 3.44 lb ai/a	1 pt/a 1 qt/a 7 oz/a 2.5 qt/a			EPP14 EPP14 PRE PRE	A A B B	99 a	99 a	93 b 95 d 89 c 89 b
2	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE AATREX 4L REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 4 38.75 4 3	EC SL WG SC WG SC SL	0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 1 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 6 oz/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a			EPP14 EPP14 PRE PRE POST POST POST	A A B B D D D	99 a	99 a	99 a 98 ab 92 abc 91 ab
3	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 5.5 4 3	EC SL WG SC SC SL	0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 6 oz/a 1.5 qt/a 1 qt/a 1 qt/a			EPP14 EPP14 PRE PRE POST POST	A A B B D D	99 a	99 a	97 a 96 bcd 92 bc 92 ab
4	2,4-D LV 4 ABUNDIT EXTRA PREQUEL REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45 38.75 4 3	EC SL WG WG SC SL	0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 1.66 oz/a 4 oz/a 1 qt/a 1 qt/a			EPP14 EPP14 PRE POST POST POST	A A B D D D	96 a	95 ab	99 a 98 a 97 ab 97 a
5	2,4-D LV 4 ABUNDIT EXTRA PREQUEL CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45 5.5 4 3	EC SL WG SC SC SL	0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 1.66 oz/a 1.5 qt/a 1 qt/a 1 qt/a			EPP14 EPP14 PRE PRE POST POST	A A B B D D	99 a	99 a	98 a 97 abc 94 abc 92 ab
6	2,4-D LV 4 ABUNDIT EXTRA TRIPLEFLEX REALM Q AATREX 4L	3.8 3 4.25 38.75 4	EC SL EC WG SC	0.475 lb ae/a 0.75 lb ae/a 1.06 lb ai/a 0.097 lb ai/a 1 lb ai/a	1 pt/a 1 qt/a 2 pt/a 4 oz/a 1 qt/a			EPP14 EPP14 EPOST EPOST EPOST	A A C C C	0 c	98 a	99 a 98 a 98 a 98 a
7	CINCH ATZ 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	5.5 3.8 3 38.75 4 3	SC EC SL WG SC SL	1.38 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a	1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a			EPP14 EPP14 EPP14 POST POST POST	A A A D D D	70 b	63 c	98 a 98 ab 98 a 97 a
8	PRINCEP CALIBER 90 AATREX 4L 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	90 4 3.8 3 38.75 4 3	WG SC EC SL WG SC SL	1 lb ai/a 1 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a	1.11 lb/a 1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a			EPP14 EPP14 EPP14 EPP14 POST POST POST	A A A A D D D	76 ab	73 bc	98 a 98 ab 98 a 97 a
9	2,4-D LV 4 ABUNDIT EXTRA REALM Q CINCH ATZ ABUNDIT EXTRA	3.8 3 38.75 5.5 3	EC SL WG SC SL	0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.38 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a			EPP14 EPP14 EPOST EPOST EPOST	A A C C C	0 c	99 a	98 a 96 a-d 93 abc 92 ab

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval										ABUTH	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
										6-28-13 Control Percent	7-5-13 Control Percent	7-26-13 Control Percent	8-2-13 Control Percent	8-23-13 Control Percent	8-30-13 Control Percent
										0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	EPP14	A	0 c	98 a	97 a	95 cd	93 abc	91 ab
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPP14	A						
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	EPOST	C						
	AATREX 4L	4	SC	1	lb ai/a	1	qt/a	EPOST	C						
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPOST	C						
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	EPP14	A	0 c	0 d	0 c	0 e	0 d	0 c
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPP14	A						
	BURNDOWN ONLY														
LSD (P=.05)										25.3	24.2	2.3	2.5	5.9	7.4
Standard Deviation										14.9	14.2	1.4	1.5	3.4	4.3
CV										25.62	16.95	1.53	1.65	4.01	5.09
Replicate F										0.481	0.244	2.082	1.330	2.664	3.291
Replicate Prob(F)										0.6252	0.7860	0.1509	0.2868	0.0942	0.0581
Treatment F										30.019	13.728	1411.580	1211.545	207.382	128.999
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
							6-28-13 Control Percent	7-5-13 Control Percent	7-26-13 Control Percent	8-2-13 Control Percent	8-23-13 Control Percent	8-30-13 Control Percent
							0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ	3.8 3 45.84 5.5	EC SL WG SC	0.475 0.75 0.2 3.44	lb ae/a lb ae/a lb ai/a lb ai/a	1 1 7 2.5	pt/a qt/a oz/a qt/a	EPP14 EPP14 PRE PRE	A A B B	99 a	98 a	97 b
										94 d	92 b	92 c
2	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE AATREX 4L REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 4 38.75 4 3	EC SL WG SC WG SC SL	0.475 0.75 0.172 1 0.097 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 6 1 4 1 1	pt/a qt/a oz/a qt/a oz/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST POST	A A B B D D D	99 a	99 a	98 ab
										98 ab	97 a	97 ab
3	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 5.5 4 3	EC SL WG SC SC SL	0.475 0.75 0.172 2.06 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 6 1.5 1 1	pt/a qt/a oz/a qt/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST	A A B B D D	99 a	99 a	98 ab
										97 a-d	94 ab	93 bc
4	2,4-D LV 4 ABUNDIT EXTRA PREQUEL REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45 38.75 4 3	EC SL WG WG SC SL	0.475 0.75 0.0467 0.097 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 1.66 4 1 1	pt/a qt/a oz/a oz/a qt/a qt/a	EPP14 EPP14 PRE POST POST POST	A A B D D D	63 b	63 b	98 ab
										99 a	98 a	98 a
5	2,4-D LV 4 ABUNDIT EXTRA PREQUEL CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45 5.5 4 3	EC SL WG SC SC SL	0.475 0.75 0.0467 2.06 1 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a lb ae/a	1 1 1.66 1.5 1 1	pt/a qt/a oz/a qt/a qt/a qt/a	EPP14 EPP14 PRE PRE POST POST	A A B B D D	99 a	99 a	98 ab
										98 abc	97 a	96 ab
6	2,4-D LV 4 ABUNDIT EXTRA TRIPLEFLEX REALM Q AATREX 4L	3.8 3 4.25 38.75 4	EC SL EC WG SC	0.475 0.75 1.06 0.097 1	lb ae/a lb ae/a lb ai/a lb ai/a lb ai/a	1 1 2 4 1	pt/a qt/a pt/a oz/a qt/a	EPP14 EPP14 EPOST EPOST EPOST	A A C C C	0 c	94 a	98 ab
										98 ab	97 a	97 ab
7	CINCH ATZ 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	5.5 3.8 3 38.75 4 3	SC EC SL WG SC SL	1.38 0.475 0.75 0.097 1.5 0.75	lb ai/a lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1 1 1 4 1.5 1	qt/a pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPP14 POST POST POST	A A A D D D	73 b	67 b	99 a
										99 a	98 a	98 a
8	PRINCEP CALIBER 90 AATREX 4L 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	90 4 3.8 3 38.75 4 3	WG SC EC SL WG SC SL	1 1 0.475 0.75 0.097 1.5 0.75	lb ai/a lb ai/a lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1.11 1 1 1 4 1.5 1	lb/a qt/a pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPP14 EPP14 POST POST POST	A A A A D D D	63 b	53 b	98 ab
										98 ab	97 a	96 ab
9	2,4-D LV 4 ABUNDIT EXTRA REALM Q CINCH ATZ ABUNDIT EXTRA	3.8 3 38.75 5.5 3	EC SL WG SC SL	0.475 0.75 0.097 1.38 0.75	lb ae/a lb ae/a lb ai/a lb ai/a lb ae/a	1 1 4 1 1	pt/a qt/a oz/a qt/a qt/a	EPP14 EPP14 EPOST EPOST EPOST	A A C C C	0 c	98 a	97 ab
										95 bcd	95 ab	96 abc

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code										AMBTR	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code										6-28-13	7-5-13	7-26-13	8-2-13	8-23-13	8-30-13
Rating Date										Control	Control	Control	Control	Control	Control
Rating Type										Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit															
Rating Timing										0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	EPP14	A	0 c	97 a	96 b	94 cd	94 ab	95 abc
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPP14	A						
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	EPOST	C						
	AATREX 4L	4	SC	1	lb ai/a	1	qt/a	EPOST	C						
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPOST	C						
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	EPP14	A	0 c	0 c	0 c	0 e	0 c	0 d
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPP14	A						
	BURNDOWN ONLY														
LSD (P=.05)										19.6	20.8	2.1	3.5	3.7	4.2
Standard Deviation										11.5	12.2	1.2	2.0	2.2	2.5
CV										21.25	15.51	1.36	2.31	2.5	2.86
Replicate F										1.813	1.593	1.294	0.492	0.706	0.356
Replicate Prob(F)										0.1889	0.2281	0.2963	0.6189	0.5055	0.7048
Treatment F										46.022	19.665	1772.694	622.977	528.397	404.294
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	IPOSS	IPOSS	IPOSS	IPOSS	IPOSS	IPOSS
							6-28-13 Control Percent	7-5-13 Control Percent	7-26-13 Control Percent	8-2-13 Control Percent	8-23-13 Control Percent	8-30-13 Control Percent
							0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ	3.8 3 45.84 5.5	EC SL WG SC	0.475 lb ae/a 0.75 lb ae/a 0.2 lb ai/a 3.44 lb ai/a	1 pt/a 1 qt/a 7 oz/a 2.5 qt/a			EPP14 A EPP14 A PRE B PRE B	A A B B	99 a	98 a	91 ab
										89 a	88 ab	87 abc
2	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE AATREX 4L REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 4 38.75 4 3	EC SL WG SC WG SC SL	0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 1 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 6 oz/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a			EPP14 A EPP14 A PRE B PRE B POST D POST D POST D	A A B B D D D	99 a	98 a	95 ab
										88 a	77 b	75 c
3	2,4-D LV 4 ABUNDIT EXTRA INSTIGATE CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45.84 5.5 4 3	EC SL WG SC SC SL	0.475 lb ae/a 0.75 lb ae/a 0.172 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 6 oz/a 1.5 qt/a 1 qt/a 1 qt/a			EPP14 A EPP14 A PRE B PRE B POST D POST D	A A B B D D	99 a	98 a	92 ab
										90 a	77 b	77 bc
4	2,4-D LV 4 ABUNDIT EXTRA PREQUEL REALM Q AATREX 4L ABUNDIT EXTRA	3.8 3 45 38.75 4 3	EC SL WG WG SC SL	0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 0.097 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 1.66 oz/a 4 oz/a 1 qt/a 1 qt/a			EPP14 A EPP14 A PRE B POST D POST D POST D	A A B D D D	73 ab	63 bc	96 a
										94 a	94 a	95 a
5	2,4-D LV 4 ABUNDIT EXTRA PREQUEL CINCH ATZ AATREX 4L ABUNDIT EXTRA	3.8 3 45 5.5 4 3	EC SL WG SC SC SL	0.475 lb ae/a 0.75 lb ae/a 0.0467 lb ai/a 2.06 lb ai/a 1 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 1.66 oz/a 1.5 qt/a 1 qt/a 1 qt/a			EPP14 A EPP14 A PRE B PRE B POST D POST D	A A B B D D	99 a	95 a	93 ab
										92 a	93 a	93 a
6	2,4-D LV 4 ABUNDIT EXTRA TRIPLEFLEX REALM Q AATREX 4L	3.8 3 4.25 38.75 4	EC SL EC WG SC	0.475 lb ae/a 0.75 lb ae/a 1.06 lb ai/a 0.097 lb ai/a 1 lb ai/a	1 pt/a 1 qt/a 2 pt/a 4 oz/a 1 qt/a			EPP14 A EPP14 A EPOST C EPOST C EPOST C	A A C C C	0 d	78 ab	88 b
										86 a	86 ab	86 abc
7	CINCH ATZ 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	5.5 3.8 3 38.75 4 3	SC EC SL WG SC SL	1.38 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a	1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a			EPP14 A EPP14 A EPP14 A POST D POST D POST D	A A A D D D	43 c	42 c	94 ab
										91 a	92 a	93 a
8	PRINCEP CALIBER 90 AATREX 4L 2,4-D LV 4 ABUNDIT EXTRA REALM Q AATREX 4L ABUNDIT EXTRA	90 4 3.8 3 38.75 4 3	WG SC EC SL WG SC SL	1 lb ai/a 1 lb ai/a 0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.5 lb ai/a 0.75 lb ae/a	1.11 lb/a 1 qt/a 1 pt/a 1 qt/a 4 oz/a 1.5 qt/a 1 qt/a			EPP14 A EPP14 A EPP14 A EPP14 A POST D POST D POST D	A A A A D D D	53 bc	53 bc	93 ab
										91 a	85 ab	86 abc
9	2,4-D LV 4 ABUNDIT EXTRA REALM Q CINCH ATZ ABUNDIT EXTRA	3.8 3 38.75 5.5 3	EC SL WG SC SL	0.475 lb ae/a 0.75 lb ae/a 0.097 lb ai/a 1.38 lb ai/a 0.75 lb ae/a	1 pt/a 1 qt/a 4 oz/a 1 qt/a 1 qt/a			EPP14 A EPP14 A EPOST C EPOST C EPOST C	A A C C C	0 d	93 a	94 ab
										90 a	85 ab	82 abc

Southern Illinois University

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval										IPOSS	IPOSS	IPOSS	IPOSS	IPOSS	IPOSS
										6-28-13 Control Percent	7-5-13 Control Percent	7-26-13 Control Percent	8-2-13 Control Percent	8-23-13 Control Percent	8-30-13 Control Percent
										0 DA-C	0 DA-D	28 DA-C	28 DA-D	56 DA-C	56 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	EPP14	A	0 d	97 a	93 ab	94 a	92 a	90 ab
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPP14	A						
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	EPOST	C						
	AATREX 4L	4	SC	1	lb ai/a	1	qt/a	EPOST	C						
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPOST	C						
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	EPP14	A	0 d	0 d	0 c	0 b	0 c	0 d
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	EPP14	A						
	BURNDOWN ONLY														
LSD (P=.05)										28.5	27.2	7.2	9.1	13.1	13.6
Standard Deviation										16.7	16.0	4.2	5.4	7.7	8.0
CV										32.56	21.55	4.99	6.5	9.71	10.19
Replicate F										2.033	1.912	0.771	0.017	2.535	2.991
Replicate Prob(F)										0.1571	0.1738	0.4756	0.9832	0.1044	0.0731
Treatment F										21.579	11.916	132.938	78.631	36.800	33.720
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

DuPont Crop Protection Demonstration in Corn.

Trial ID: 13-11B-E70 Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Trial Comments

1. Protocol: DuPont (USA-13-296).
2. Ratings: CI 0 DA-C and 0 DA-D, 7-14DA-C and 7-14 DA-D.
WC 0 DA-C and 0 DA-D, 28 DA-C, 28 DA-D, 56 DA-C, and 56 DA-D.
3. Special instructions at application A; Abundit Extra and 2,4-D can be applied from a bulk can except for treatments 7 and 8. Application A is 10 ft wide.
The planned planting date (5-10-13) was delayed (6-15-13) due to wet soil conditions.
Prior to planting a blanket PRE application of Abundit Extra (32 floz/A) plus N-Pak (2.5%) was applied to control weeds that had emerged since the EPP14 application (4-26-13).
4. Blanket late POST application of Aproach (6 floz/A) plus Prevathon (14 floz/A), no adjuvants, at VT to all plots 10 ft wide.
5. Yield?
6. GGGAN = Annual grasses including 50% SETFA (giant foxtail) and 50% PANDI (fall panicum).
IPOSS = Morningglory species including 70% IPOHE (ivy leaf morningglory) and 30% IPOLA (pitted morningglory).
7. Missing crop injury data in some plots was due to delayed emergence due to standing water.
Corn yield was reduced due to reduced stand caused by early season standing water.
8. Harvested 11-8-13, (2) 30 inch rows by 28 ft.